



Issue 92 January 2nd, 2016

## Top links

### FreeDV 2016 road map

Release VHF FreeDV modes, one mode that runs through \$60 HTs, another that outperforms closed source DV by 10dB.

Rowtel

### Danger in calm seas

These three things present a clear and present danger to our continued growth and enjoyment of the radio hobby.

KE9V

### First Amateur Radio geosynchronous satellite to launch in 2017

"Seven days a week, 24 hours a day, 365 days a year, a new ham band will be available for the Americas."

KB6NU

### CQ World Wide favor limiting operating time to less than 48 hours

Contesters want to see a time-limited category for single operators.

ARRL

### Bouncing radio off of airplanes

Amateur radio operators are always trying some new stunt or other. It's like they've got something to prove. Take Aircraft scatter for instance: the idea is to extend your radio's range by bouncing it directionally off of overhead airplanes.

Hack a Day

### PWM and MPPT solar charge controller

The solar charge controller is arguably the most important component of a solar energy system.

Off Grid Ham

### Signal direction finding with an RTL-SDR + Raspberry Pi

Direction finding system built out of a Raspberry Pi, an RTL-SDR and four antennas.

RTL-SDR.COM

## Airplane on 60m!

I almost cannot believe it happened. And how unique this contact was.

PE4BAS

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## How to

### How I learned Morse Code

They practiced the art of radiotelegraphy: where the contacts were easier to make, the operators were more skilled, and the signals were stronger. I wanted in.

Fine Business

### Super simple APRS position reporter

My criteria has been a Raspberry Pi and an HT as the two major hardware components. No hardware TNCs and no custom cabling.

K4HCK

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## Video

### Building a new Ham shack

We are living in a rental house and we plan to build a new house. So, I need to setup a ham shack.

K7AGE

### 11kV lightning arrester and exploding disconnector

This is a lightning arrester from an 11kV power distribution line with an interesting feature to clear itself electrically when sustained current flows through it.

YouTube

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73

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